

# Configuration Summary

## STORAGE TIERS

DRIVES	MODEL	RAID	HA	WORKLOAD	R/W	RAW	USABLE	MB/S	IOPS	RT (ms)
SSD 24	1.92TB SSD SFF	Raid 5 (5+1)	<input type="checkbox"/>	Random	8k 50% Read	41.88 TiB	31.22 TiB	801	102,480	1.0

## FLASH USABLE CAPACITY \*



RATIO  
**1.5:1**

**31.2 TiB**

**46.8 TiB**

1:1  31.2 TiB

1.5:1  46.8 TiB

*assumes 50 % DeCo virtual volumes and an average data reduction ratio of 2:1*

RAW CAPACITY (46.1 TB)

**41.9 TiB**

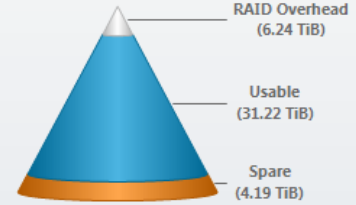
USABLE CAPACITY (34.3 TB)

**31.2 TiB**

MAX FRONT-END IOPS \*

**102,480**

## USABLE VS. OVERHEAD



## SUMMARY

Model:	<b>7450C</b>	SFF Enclosures:	<b>1</b>
Nodes:	<b>2</b>	Free Slots:	-
1Gb Eth RCIP Ports:	<b>2</b>	LFF Enclosures:	-
FC 8Gb Ports:	<b>4</b>	Free Slots:	-
		Total Disks:	<b>24</b>

## PHYSICAL SPECIFICATIONS

Total Rack Space:	<b>2U</b>
Total Weight (without rack):	<b>29.8 kg</b>
Total BTU (balanced)	<b>1423</b>
Total Power (balanced)	<b>0.415 kW</b>

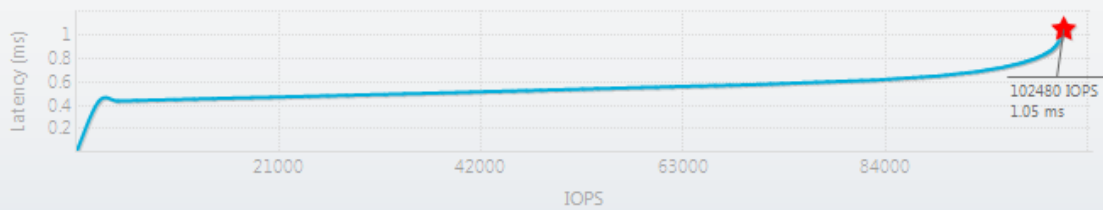
# Performance Summary

## STORAGE TIERS

DRIVES	MODEL	RAID	HA	WORKLOAD	R/W	MB/S	IOPS	RT (ms)
SSD 24	1.92TB SSD SFF	Raid 5 (5+1)	<input type="checkbox"/>	Random 8k	50% Read	801	102,480	1.0

## SSD 24x 1.92TB SSD SFF

RAID 5 - Random 8k 50% read/50% write (50 % DeCo virtual volumes)



NinjaSTARS v2.12.0.1 (PEM v3.3.2)

## FILE PERSONA

File Persona sizing information for SMB and NFS protocols is currently not available through NinjaSTARS . Please refer to the following guide to estimate file performance.

[Sizing and performance best practices guide for HPE 3PAR File Persona](#)

# Configuration Layout

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## Bill of Materials

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<b>Part Number</b>	<b>Description</b>	<b>Qty</b>
E7X87A	HP 3PAR StoreServ 7450c 2-N Storage Base	1
E7Y57A	HP 3PAR StoreServ M6710 1.92TB 6G SAS SFF (2.5in) cMLC SSD	24